

ABSTRACT OF THE DISCLOSURE

A system and method for providing high speed wireless media access is disclosed. A local transceiver is provided, which is capable of transmitting data via a transmit path while receiving a feedback signal via a receive path. The local transmitter is connected to a feedback generator for generating and transmitting a feedback signal in response to receiving data from a wireless transceiver. A feedback detector is also connected to the local transceiver for detecting feedback signals received from other wireless transceivers. When a feedback signal is detected, data associated with the signal is decoded. The wireless transceivers then transmit a feedback signal within the series of wireless transceivers in order to stop the transmission of data until a destination of the data is determined. A destination address associated with a destination wireless transceiver is then identified and the transmission of feedback signals by all wireless transceivers within the system then ceases, except from the identified destination wireless transceiver.